

**IN THE ABSTRACT:**

Please cancel the Abstract at page 18 and substitute the following new  
Abstract:

09785114-060801  
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**--ABSTRACT**

A8  
5 The invention relates to a method for verifying transformation (2) of a source code (1) into a transformed code (3) designed for an embedded system (7) such as in a smart card or other portable or mobile device including data processing resources. The method comprises at least the following steps: determining a single virtual machine that factors in the behavior of both of these codes (1, 3), determining for each source code (1) and transformed code (3) a plurality of auxiliary functions representing the residual differences between said source code (1) and transformed code (3), and a step for verifying a correspondence property between the auxiliary  
10 functions, the verification of the code transformation (2) being obtained from this last step.--

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